

CSP 2005 RI ENHANCEMENTS

Enhancement Activity	Description of Enhancement Activity	Job Sheet Reference Number	List Fields Where Activity Has Already Been Applied on Your Farm	List Fields Where Where You Would Like to Apply the Activity, and Year	Unit	Payment Per Unit
SOIL MANAGEMENT	Soil Condition Index for each 0.1 increase above 0.0.	National			Acre	1.16
PEST MANAGEMENT	Manage pests by using and implementing recommendations from weather and pest forecasting service (Such as Sky Bit Weather). Maximum of 10 acres.	EPM 1			Acre	25.00
	<u>Switch from High or Very High to Low or Very Low pesticide rating, based on risk analysis of 2004 records, using WIN PST - payments made for each pesticide switched, per acre.</u>				Acre	
	a. Switch one pesticide	EPM 2				25.00
	b. Switch two pesticides	EPM 3				50.00
	c. Switch three pesticides	EPM 4				75.00
	d. Switch four pesticides	EPM 5				100.00
	Reduce losses in pesticide applications by calibrating sprayers at least 2 times per year. Maximum of 10 acres.	EPM 6			Acre	10.00
	Reduce pesticide applications by applying at lowest recommended rate; and/or using spot treatments, band treatments, or bait stations (rodents).	EPM 7			Acre	20.00
	<u>Prevent pesticides from leaving the field by installing practices above standard requirements.(ie, field border, wind breaks, filter strips, riparian buffer):</u>					

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	a. Reduce offsite impacts of pesticides by using field border -or other herbaceous conservation buffer to at least 30' width minimum	EPM 8			Acre	23.00
	b. Reduce offsite impacts of pesticides by using Riparian Forest Buffer at least 50' wide.4/	EPM 9			Acre	60.00
	c. Reduce offsite impacts of pesticides by using Windbreaks/Shelterbelts	EPM 10			Acre	57.00
	Use hooded sprayers, direct injection sprayers, sensor controlled sprayers, or other pesticide application equipment that minimize overall application rate.	EPM 11			Acre	85.00
	Reduce or eliminate pesticides based on organic certification for cropland.	EPM 12			Acre	100.00
	Reduce offsite impacts of pesticides by using only Very Low and Low risk pesticides, based on WIN PST analysis.	EPM 13			Acre	10.00
	Manage invasive species and/or noxious weeds with hand cutting, biological controls, spot treatment or other individual plant treatment	EPM 14			Acre	8.50
	<u>Enhanced Integrated Pest Management</u>					
	a. Manage pest populations by for vegetables with crop rotations to break disease cycles.	EPM 15			Acre	30.00
	b. Manage pest populations with residue management to reduce over wintering pest populations (within soil quality needs).	EPM 16			Acre	15.00

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	c. Plant and /or designate unsprayed insect refuges on your farm according to IPM plan.	EPM 17			Acre	60.00
	d. Plant and or designate trap crops on your farm according to IPM plan.	EPM 18			Acre	60.00
	e. Reduce pesticide applications by releasing beneficial insects and/or using pheromone disruption	EPM 19			Acre	75.00
IRRIGATION WATER MANAGEMENT	Irrigation Enhancement Index Level 1 - 60 - 64%	National			Acre	1.40
	Irrigation Enhancement Index Level 2 – 65 - 69%	National			Acre	2.80
	Irrigation Enhancement Index Level 3 - 70 - 74%	National			Acre	4.20
	Irrigation Enhancement Index Level 4 - 75 - 79%	National			Acre	5.60
	Irrigation Enhancement Index Level 5 – 80 - 84%	National			Acre	7.00
	Irrigation Enhancement Index Level 6 – 85 +%	National			Acre	8.40
NUTRIENT MANAGEMENT	Leaf tissue analysis sampling and following recommendations the next growing season.	ENM 1			Acre	3.45
	Conduct annual nutrient testing of soil and/or plant tissue. Utilize test results to optimize application rates to reduce surface and ground water quality impacts.	ENM 2			Acre	3.45
	Use split nitrogen applications based on Pre-Side Dress Nitrate Test (PSNT) or similar soil test to match nutrient applications to plant needs and reduce the potential for nitrogen loss.	ENM 3			Acre	3.45

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	Conduct micronutrient testing to determine plant requirements. Use the test results to optimize the application rates for plant health and to reduce negative impacts to the environment.	ENM 4			Acre	3.45
	Utilize legumes in rotation to improve soil fertility, soil quality, forage quality, air quality and provide wildlife benefits.	ENM 5			Acre	23.00
	Utilize fertilizer application methods that will place nutrients as close as possible to the root zone of the plant, such as banding, side-dressing, injection and fertigation.	ENM 6			Acre	11.50
	<u>Utilize field borders or herbaceous conservation buffer, filter strips, and riparian forest buffers to reduce nutrient load to surface water and improve wildlife benefits.</u>					
	a. Field border -or other herbaceous conservation buffer 30' width minimum	ENM 7			Acre	23.00
	b. Riparian Forest Buffer - 50' width minimum	ENM 8			Acre	60.00
	Incorporate manure into soil within 24 hours using equipment that preserves surface residue, reduces odors and limits the potential for surface runoff.	ENM 9			Acre	23.00
	Apply manure only to fields that have soil phosphorous levels below crop removal rates to prevent the build up of soil phosphorous	ENM 10			Acre	6.00
	No spreading of manure between Dec. 15 and March 15 each winter.	ENM 11			Acre	2.40

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	No field stacking of manure. Payment allowed only if proper manure storage management is in place.	ENM 12			Acre	2.40
ENERGY MANAGEMENT	Energy Audit of agriculture operations	National			No.	500.00
	Apply fertilizer at or below agronomic rate	National			Acre	0.70
	STIR rating less than 60	National			Acre	0.50
	STIR rating less than 20	National			Acre	0.70
	STIR rating less than 10	National			Acre	0.90
	Renewable energy fuel (soy biodiesel, ethanol)	National			Gallon	125.00
	90% use of manures and/or legumes to supply crop nutrient needs	National			Acre	1.10
	Recycle 100% of on-farm lubricants	National			No.	200.00
	Renewable energy generation (wind, solar, geothermal, and methane).	National			Per 100 kWh	2.50
	5% energy use reduction	National			Total BTUs	150.00
	10% energy use reduction	National			Total BTUs	250.00
	20% energy use reduction	National			Total BTUs	500.00
PASTURE AND GRAZING MANAGEMENT	Improve pasture forage diversity by using native, perennial, warm season grasses in >= 20% of the system	EGM 1			Acre	65.00
	Manage improved forage quality on pastureland by utilizing legumes in >= 50% of the system, with at least 30% legumes in those portions	EGM 2			Acre	55.00
	Manage improved forage quality on pastureland by utilizing legumes in >= 90% of the system, with at least 30% legumes in those portions	EGM 3			Acre	75.00

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	Manage invasive species and/or noxious weeds with hand cutting, biological controls, spot treatment or other individual plant treatment	EGM 4			Acre	8.50
	Increase the number of management units to decrease the number of occupational periods.	EGM 5			Acre	28.00
	Exclude grazing in riparian areas, wetlands and other sensitive resource areas	EGM 6			Acre	68.00
	Manage pasture and hayland quality by conducting forage quality and yield sampling and analysis. Maximum of 50 acres.	EGM 7			Acre	5.00
HABITAT MANAGEMENT	Manage riparian and wetland forested buffers so that at least 75% of the wetland/upland perimeter of all wetlands are at least 50' wide.	EHM 1			Acre	65.00
	Manage grazing operations by excluding livestock in riparian areas, wetlands and other sensitive resource areas	EHM 2			Acre	68.00
	Enhance and protect vernal pool habitat along field edges and incidental forest land. Maximum of 10 acres.	EHM 3			Acre	100.00
	Utilize field borders (30 ft wide) through retiring previously cultivated land within the last five years. Manage for native species community.	EHM 4			Acre	60.00
	Manage transition zones along field edges to enhance the native species community and habitats of special concern (minimum 30 ft wide).	EHM 5			Acre	30.00

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	Do not cut managed field borders and conservation buffers during nesting season (April 1- August 1).	EHM 6			Acre	18.00
	Exclude grazing and haying management >20% of the grassland system until after nesting season (August 1), except for planned invasives species control.	EHM 7			Acre	12.00
	Manage nesting habitat by using nest boxes for targeted species.	EHM 8			Ft.	0.05
	Manage bat nesting habitat by using bat houses.	EHM 9			Acre	15.00
	Manage small mammal habitat by using brush piles within or adjacent to woodland margins (200 foot spacing between brush piles).	EHM 10			Ft.	0.08
	Enhance and maintain in-stream aquatic habitat for target fish and invertebrate communities by utilizing flow meters to measure irrigation water use. For irrigated acres only.	EHM 11			Acre	20.00
	Decrease stream withdrawals by at least 10% on a daily and annual average basis, where located in cold water fish streams, as measured by flow meter. Payment based on amount of reduction.	EHM 12			Ac.Ft.	108.00
	Utilize barriers/screens to exclude fish and other aquatic species from water diversions, or any area where unintentional entrapment could occur	EHM 13			Acre	3.50
	Enhance and maintain in-stream aquatic habitat for target fish and invertebrate communities.	EHM 14			Ft.	9.00

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	Restore riparian corridor with native tree and shrub species that enhance fish and wildlife habitat for target community.	EHM 15			Acre	57.50
	Remove fish passage barriers such as improperly placed culverts, or install practices to provide upstream and downstream passage over barriers. Payment based on per ft. width of stream.	EHM 16			Ft.	50.00
AIR QUALITY MANAGEMENT	Improve air quality and reduce odors by using covers and curtains for waste storage facilities.	EAM 1			Sq. Ft.	1.00
	Reduce losses in pesticide applications by calibrating sprayers at least 2 times per year.	EAM 2			Acre	10.00
	Grind stumps & chip pruning waste from orchard/vineyard or use prunings to form brush piles for wildlife, in lieu of burning.	EAM 3			Acre	20.00
	Installation of hedgerows for visual screens of public right of ways, control of spray drift, and/or noise reduction.	EAM 4			Ft.	1.10
	Incorporate manure into soil within 24 hours using equipment that preserves surface residue, reduces odors and limits the potential for surface runoff.	EAM 5			Acre	23.00